FUSRAP: One Decade Down One To Go

Suzanne Beauchamp
Julie Clements, CHP
U.S. Army Corps of Engineers

RadWaste Summit
September 5, 2007

US Army Corps of Engineers

Outline

- FUSRAP History
- USACE progress (1997-2007)
  - USACE MOU with US DOE
  - Change in overall number of sites
  - Disposal
- Work remaining (2008-2018?)
  - Remedial action challenges
  - Projected types/volumes of FUSRAP waste to be generated

US Army Corps of Engineers

FUSRAP History

- Created in 1974 to cleanup sites contaminated through MED/AEC activities
  - Primarily contaminated with U, Ra, and Th
- October 1997 - Congress transferred execution of FUSRAP cleanup to USACE
  - FY 98 Energy & Water Appropriations Act
- USACE executes work on-site as lead federal agency IAW CERCLA & NCP
  - FY 99 Energy & Water Appropriations Act
  - Program funding remains ~ $140 million/yr

US Army Corps of Engineers

USACE/DOE MOU

- Finalized in March 1999
  - To delineate the “administration and execution responsibilities of each of the parties for FUSRAP”
- Completed sites
  - USACE assumes no responsibility
  - 25 sites were completed prior to transfer to USACE
- Active sites
  - USACE responsible for site cleanup IAW CERCLA and NCP
  - Two yrs after site closeout, DOE assumes responsibility for LTS, O&M, & transfer of federally owned property
  - 21 sites transferred to USACE with MOU

US Army Corps of Engineers

USACE/DOE MOU

- New (eligible) sites:
  - DOE shall perform historical research and provide USACE with a site eligibility determination*
  - USACE shall conduct necessary field surveys and prepare a Preliminary Assessment to determine if an eligible release or threat of release exists
  - USACE conducts studies and cleanup actions consistent with CERCLA to address eligible releases

*A site can also be added to FUSRAP by congressional order

US Army Corps of Engineers

FUSRAP Sites

- SLDS
- **SLAPS**
- SLAPS VPs
- Latty Avenue
- **Madison**
- CE
- Shpack

- DuPont
- WR Grace
- **Colonie**
- Maywood
- **Wayne**
- Middlesex

- **Ashland 1**
- **Ashland 2**
- Seaway
- NFSS
- Painesville
- Luckey
- Linde
- **Bliss & Laughlin**

- Transferred Active Sites
- **RA Complete/Soil RA Complete**

US Army Corps of Engineers

Additional Sites Considered

NOT RECOMMENDED FOR INCLUSION

- Dayton I
- Dayton II
- Dayton III
- Dayton Warehouse

INCLUDED

- Guterl Steel
- Harshaw
- IAAP
- SLDA
- Sylvania Corning

UNDER REVIEW

- Scioto Lab
- Joslyn
- Superior Steel

US Army Corps of Engineers

FUSRAP Site Summary

COMPLETED

- Ashland 1
- Ashland 2
- Bliss & Laughlin
- Colonie
- Madison
- SLAPS
- Wayne

UNDER REVIEW

- Joslyn
- Superior Steel
- Scioto Lab

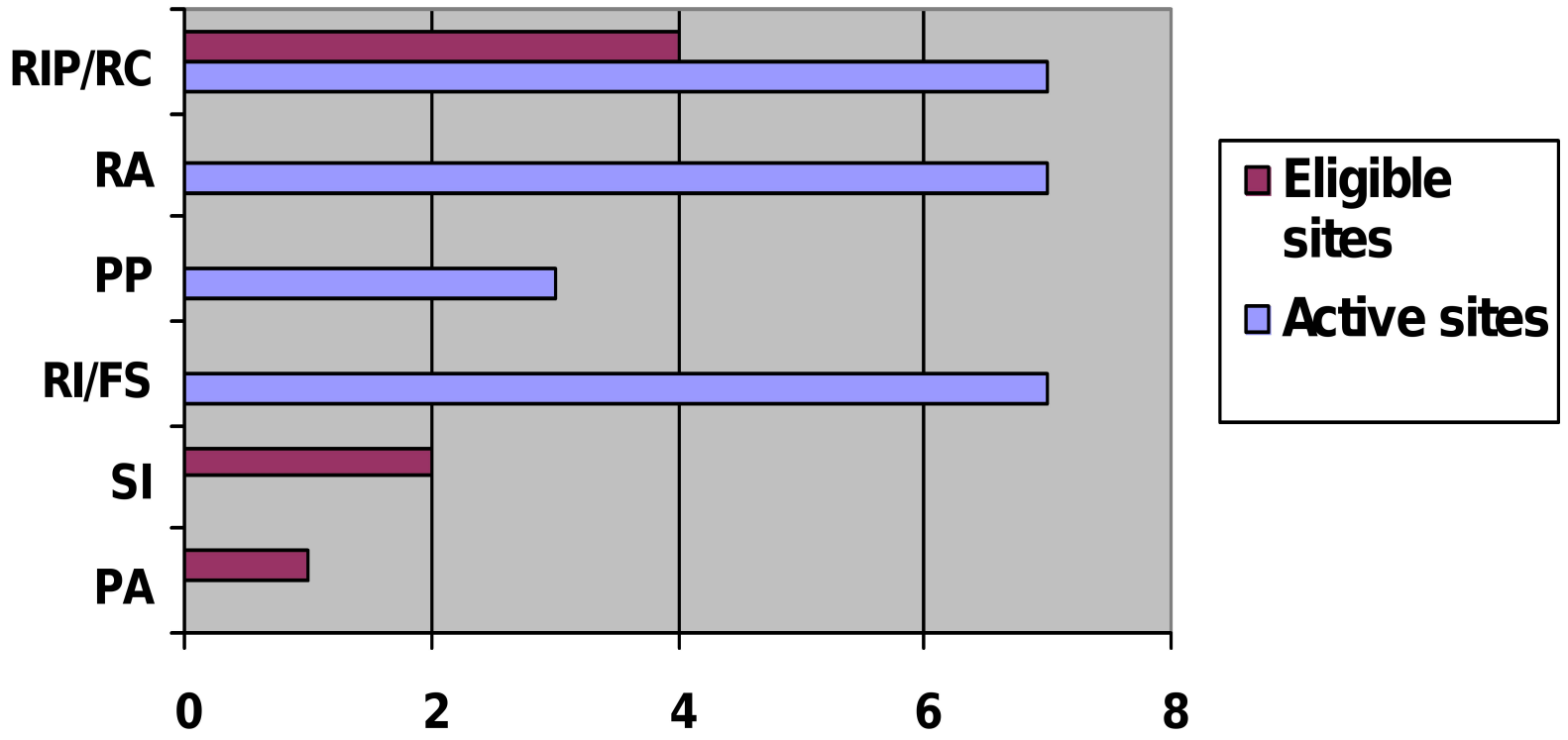
ACTIVE SITES

- CE
- Dupont
- Guterl Steel
- Harshaw
- IAAP
- Latty Avenue
- Linde
- Luckey
- Maywood
- Middlesex
- NFSS
- Painesville
- Seaway
- Shpack
- SLAPS VPs
- SLDA
- SLDS
- Sylvania Corning
- WR Grace

One Corps Serving the Army and the Nation

US Army Corps of Engineers

CERCLA Phase of FUSRAP Sites



US Army Corps of Engineers

USACE Disposal Contracts

CONTRACT #	FACILITY	AWARD DATE	5 YR OPTION DATE	EXPIRATION	LLW	Low Level Waste	Low Level Waste	MW	MW	Low	LLW
DACW41-98-D-9003	ENERGY SOLUTIONS	12/9/1997	Not Available	EXPIRED	X		X	X	X	X	
DACW41-99-D-9008	US ECOLOGY IDAHO	6/3/1999	5/14/2004	5/13/2009	X	X				X	X
DACW41-99-D-9007	WASTE CONTROL SPECIALISTS	6/3/1999	6/3/2004	6/2/2009	X					X	X
DACW41-99-D-9006	ENERGY SOLUTIONS	6/4/1999	5/27/2004	5/26/2009		X			X		

US Army Corps of Engineers

USACE Disposal Contracts Start of FY07

FACILITY	CAPACITY	USED	REMAINING
ENERGY SOLUTIONS	$100,000,000.00	$ 79,108,386.65	Expired for new task orders
US ECOLOGY IDAHO	$400,000,000.00	$ 91,877,598.15	$ 284,477,167.24
WASTE CONTROL SPECIALISTS		$ 474,448.20	
ENERGY SOLUTIONS		$ 23,170,786.41	
	$500,000,000.00	**$194,631,219.41**	$ 284,477,167.24

RA Challenges (2008-2018)

US Army Corps
of Engineers

- Niagara Falls Storage Site
  - Interim Waste Containment Structure
- Intentional mixing of radioactively contaminated soils
- MARSAME implementation
- Disposal
  - Waste streams not covered by existing contracts
  - Contracts expiring
  - Waste streams that do not fit existing WAC at any available facility
- Constrained funding

US Army Corps of Engineers

Projected Disposal Volumes (2008-2018)

Waste type	Volume projected now thru 06/2013 (CY)	Volume projected from 06/2013 thru 05/2018 (CY)
Pre-78 11e.(2) +UQ	355,000	285,000
LLRW	48,000	30,000
11e.(2)	250,000	324,000
TENORM	24,000	
MLLW	2,000	
Total	**679,000**	**639,000**

FUSRAP: One Decade Down One To Go

U.S. Army Corps of Engineers

Suzanne Beauchamp, PE
suzanne.m.beauchamp@usace.army.mil
202-761-4998

Julie Clements, CHP
julie.a.clements@usace.army.mil
402-697-2592

RadWaste Summit
September 5, 2007